

PRODUCT DESCRIPTION

Part Number AV-601
Market General Aviation

The AV-601 antenna is designed specifically to meet FAA TSO-C87a specifications. Qualification testing includes meeting the requirements of EUROCAE ED-30, Edition 2, "Minimum Performance Standards for Airborne Low Range Radar Altimeter Equipment", as modified by Appendix 1 of the TSO.

PRODUCT SPECIFICATIONS

Application Airborne Low Range Radar Altimeter
 Frequency 4200-4400 MHz
 VSWR $\leq 1.5:1$ (4275-4325 MHz)
 $\leq 2.3:1$ (4200-4400 MHz)
 Polarization Linear
 Radiation Pattern Roll Plane(E): 45° min.
 Beam widths Pitch Plane (H): 40° min.
 Impedance 50 Ohms
 Gain 9.5 dBi
 Isolation 16" 80 dB
 H-Plane 20" 88 dB
 30" 90 dB
 36" 95 dB
 Power 5 watts avg./500 watts max.
 Side Lobe Level -40 dB
 Lightning Protection DC Grounded
 Finish Skydrol-resistant Polyurethane Enamel
 Mesh Gasket 3.50" X 3.65" X .02"
 FAA TSO C87a
 Weight 0.25 lb (113g) max.
 Connector TNC Female

